National Aeronautics and Space Administration

#### George C. Marshall Space Flight Center Marshall Space Flight Center, AL 35812



 $_{\prime}$  to Attn of: QS40

January 23, 2002

TO: Distribution

FROM: QS40/Rondal C. Mize

SUBJECT: Minutes of the VPP Steering Council Meeting

The VPP Steering Council held its fourteenth meeting on Wednesday, January 23, 2002. The meeting, which began at 8:00 a.m., was held in Building 4202, conference room 326A. The roster of attendees for the meeting is attached as Enclosure 1. The agenda for the meeting is attached as Enclosure 2.

#### OPENING REMARKS (A. ROTH/DE01)

There were no opening comments.

#### VPP IMPLEMENTATION TEAM STATUS (K. CORNETT/FD24)

A status of the Post-Assessment activity to the STAR Consultants, Inc. audit was given to the Council. The STAR Consultants Final Report has been reviewed by the VPP Implementation Team. The Implementation Team identified actions from the "Recommendations for Improvement" section of the report. Recommended assignments to implement the recommendations was also identified. The major items recommended by the audit were the need for a new management SHE Committee as well as a charter. The need for other, specific committees was also identified.

After discussion by the Council, the VPP Implementation Team was asked to prepare a "draft" charter for a new management committee along with a timeline for organizing such a committee.

#### **ACTION:**

Prepare a draft of a charter for a new management committee similar to the Central SHE committee. Include in the draft a timeline for organizing and establishing the committee. (VPP-0017, K. Cornett/FD24, P. Robbins/CSC; Due: 02-13-02)

A copy of the presentation is included as Enclosure 3.

#### STAR VPP ASSESSMENT RESPONSE (P. ROBBINS/CSC)

The VPP Implementation Team reviewed the final report from the STAR Consultants, Inc. audit at MSFC. All the specific recommendations for improvement, which were identified in the report, were compiled into a final "draft response". Recommended assignments were made by the Implementation Team as to "How" and "Who" would be responsible for developing a response.

After discussion by the Council, it was agreed that the Council members should have an opportunity to review the Final Report and Assessment Response. To complete the activity prior to the next Area SHE Committee, the Council members were asked to have their comments to Phil Moore by COB Friday, January 25. The comments will be consolidated and ready for the Council members to discuss at a special meeting with the Implementation Team on Tuesday, January 29. The meeting is scheduled to be held in building 4202, conference room 326A, beginning at 1:00 p.m.

#### **ACTION:**

Review the STAR Consultants, Inc. final report and the draft of the STAR VPP Assessment Response and provide comments (via e-mail) to Phil Robbins. (VPP-0018, VPP Steering Council Members, Due: COB 01-25-02)

A copy of the STAR VPP Assessment Response "Draft" is attached as Enclosure 4.

#### **OTHER**

It was suggested that the action given to the Council members relative to the review of the STAR Consultants, Inc. final report be discussed at the Senior Staff meeting. This would let the Direct Reports be aware of the VPP activity within their organization as well as provide them with an opportunity to ask any questions that they may have regarding the work.

Representatives of the VPP Implementation Team are planning a trip to Birmingham to meet with members of the VPP Regional Office to discuss the status of the MSFC VPP activity. The team hopes to identify any "hard" things that should have been in place for at least a year prior to submitting a VPP application.

#### OPEN ACTION LOG (COUNCIL)

The open actions assigned within the council were reviewed. The one action, VPP-0012, was discussed and the due date was moved to a date to be determined later. Two new actions,

VPP-0017 and VPP-0018, were added to the open items list. A copy of the open actions log is included as Enclosure 5.

#### NEXT VPP COUNCIL MEETING

The next regular meeting of the VPP Steering Council will be announced. A special meeting of the Council has been scheduled for Tuesday, January 29. The meeting will be held in building 4202, conference room 326A and is scheduled to begin at 1:00 p.m.

#### Original signed by:

Rondal C. Mize Secretary VPP Implementation Team

#### Enclosures

Distribution: Team Members Meeting Attendees

#### cc:

DA01/A. G. Stephenson DD01/James W. Kennedy QS01/Amanda Goodson

#### **VPP STEERING COUNCIL MEETING**

#### **WEDNESDAY, JANUARY 23, 2002**

#### BLDG. 4202/326A, 8:00 - 9:00 A.M.

#### MEETING ATTENDANCE:

#### Center Operations Directorate

	Center Operations Director	rate
Jim CarterXCathy MillerXLinda Carpenter	AD01 AD21 AD40	544-6630 544-5187 544-8236
	Customer & Employee Relations I	Directorate
Susan CloudPat SchultzX_Judy Werner	CD01 CD20 CD01	544-5377 544-7559 544-1776
	Director's Office	
X Axel Roth	DE01	544-0451
	Engineering Directorate	;
X Nelson Parker	ED01	544-1001
	Flight Projects Directorat	te
X Keith CornettMurray CastlemanX David HoodWalter SchneiderX Jackie Steadman	FD24 FD11 FD03 FD31 FD10	544-4321 544-0168 544-0681 544-0557 544-1940
	Office of Chief Counsel	
_XAudrey D. Robinson	LS01	544-0026
	Space Shuttle Projects Offi	ice
Jody SingerXDarlene Garner	MP01 MP71	544-0612 544-0123

#### Equal Opportunity Office

Billie Swinford	OS01	544-0087
	Procurement Office	
Byron Butler X Jerry Williams X Joseph D . Hobson	PS01 PS10 PS01	544-0253 544-0295 544-0375
	Safety and Mission Assurance	ce Office
Dennis Davis  X Jim Ellis Kristie French X Judy Milburn X Ron Mize X David Spacek	QS10 QS01 QS30 QS30 QS01 QS20	544-8628 544-0721 544-7474 544-4802 544-2485 544-2686
	Office of Chief Financial	Officer
X Frank Mayhall Sharal Huegele	RS01 RS30	544-7266 544-7286
	Science Directorate	
XTom Fleming Tom Dollman	SD01 SD40	544-3962 544-6568
	Space Transportation Dire	ectorate
X Alberto Duarte	TD01	544-2944
	Second Generation RLV Prog	ram Office
Charlie Chesser _X_Nikhat Shahzad	UP01 UP01	544-0107 544-2496
	Systems Management O	office
Joe HamakerMahmoud NaderiMike Vanhook	VS10 VS20 VS20	544-0602 544-0585 544-0598

#### **MESA** Wes Darbro SD22 544-742 **AFGE** Alice Sams **PS50** 544-0374 Contractors Dave Burks Cortez III 544-1985 Monte Gravunder Cortez III 544-1986 Teresa Durette HEI 544-4416 Leslie Guerin 544-7108 HEI Donnie George USA-ES&H 971-3102 Rhonda Mann USA-ES&H 971-3128 Phil Robbins CSC/MSAT 544-6098

#### VPP STEERING COUNCIL MEETING WEDNESDAY, JANUARY 23, 2002 BUILDING 4202, CONFERENCE ROOM 326A, 8:00 - 10:30 A.M.

#### **MEETING AGENDA**

1) OPENING REMARKS (A. ROTH/DE01)

2) VPP IMPLEMENTATION TEAM STATUS (K. CORNETT/FD24/P. ROBBINS/CSC)

3) OTHER (?)

4) OPEN ACTION LOG (COUNCIL)

5) NEXT MEETING:

DATE: TBA
TIME: TBA
BUILDING: TBA; CONFERENCE ROOM: TBA

# VPP Implementation Team Status

## Post-Assessment Activity

- VPP Implementation Team has completed their review of the STAR Consultants final report
  - Identified further breakout of actions from "Recommendations for Improvement" where appropriate
  - Identified recommended assignments to implement the recommendations

## Major Items

- A new employee and management SHE committee is now needed
  - Need a charter for this new committee
  - Need to eliminate the word "committee" from the current, monthly SHE meeting
- Other recommended committees as identified next chart
  - Need resources to get the work of these committees done

# Other Recommended Sub-committees

- PEP
- JHA
- Training
- SHE IT

- Audit
- LOTO
- Ergonomics

## Next Steps

- Need approval of action assignments
- Need to name the action or committee leads if unknown
- Need due dates to be determined by these action or committee leads
- Develop new VPP schedule

### **Star VPP Assessment Response** 01/23/02

#### Draft

Element	Element	Sco	Actions	How	Who
/Area		re			
1.0 Managemen t Commitmen t		64.5			
	1.1 Safety & Health Plan	48	<ul> <li>1.1-01 Publish, communicate, and post safety policy throughout MSFC workplace in all Directorates and contractor areas.</li> </ul>	Utilize the existing SHE communications team	Central SHE
			<ul> <li>1.1-02 Develop measurable action plans in support of MSFC goals for each Directorate and committee. Periodically document status, milestones and expectations.         <ul> <li>Set measurable goals</li> <li>Define Objectives (Action Plans) to reach Goals</li> <li>Tie Objectives to each VPP element, based on trend analysis and assessment.</li> <li>PEP (MSFC PEP addendum)</li> <li>Assign measurable objectives for each.</li> <li>Directive</li> <li>Contractor</li> <li>Committee</li> </ul> </li> <li>Publish and measure monthly.</li> <li>Coordinate with Implementation.</li> <li>1.1-03 Communicate Goals in particular,</li> </ul>	Establish new Directorate teams  Establish a new PEP Adhoc team	Directorat es  New SHE Committe e
			specific objectives to all workers (civil Service and Contractors) periodically		
	1.2 Commitment to VPP	<mark>67</mark>	<ul> <li>1.2-01 Communicate the VPP Elements         and solicit involvement in the VPP         process throughout MSFC across all         Directorates and contractors.</li></ul>	Tie to 1.1-01	

1.3 Planning	o Make sur have safe before op	n 3.2 Hazard Analysis re all MSFC operations ety planned up front, peration begins.	Get together a team made up of people who actually are affected.	NEW JHA Team
1.4 Written Programs	document VPP el	PG 8715.1 to better fements, specifically: E Committee sployee Involvement infety Program reviews and Hazard Assessment giene		QS AD
1.5 Management Leadership	of ownership for initiatives. Add sa organizational streport).  Develop support good Assign in (manage) Enhance measura impleme. Develop strategie.  1.5-02 Expand us encompass more the Directorate le metrics currently S&MA at the SH action plans for desired action plans	refety metrics for the ructure (S&MA data specific action plans to goals house champions ment and worker level) of PEP action plans to be ble, assigned, and inted.	Directorates manage by your data	Central SHE  Directorat es
1.6 Contractor Selection &	safety audits. Pub	the unannounced blish the results by	Establish a safety audit function not	NEW Audit
Oversight	contractor as par	t of the SHE Committee	necessarily QS	team

		<ul> <li>and request and track action plans where trends show problem areas.</li> <li>1.6-02 Update procedures to ensure contractor injury and illness rates are accurate. Include the rates in the selection process.</li> <li>Collect all hours &amp; injuries</li> <li>OSHA 200 logs (audit)</li> <li>Review Contractors Hazards</li> </ul>	Directorates using COs and COTRs QS/AD	Directorat es
1.7 Pro Evalua		<ul> <li>1.7-01 Develop a process to make the PEP a more effective tool. Require detailed measurable action plans and enforce that the PEP needs to provide a status report of previous years actions. In addition perform spot audits of these PEPs. Critique the employee Involvement Scores.</li> <li>1.7-02 Summarize all PEP reports into a Narrative Report like this once a year. Eventually this will need to be submitted to OSHA annually in February 15.</li> <li>Develop measurable action plans from PEP</li> <li>Track at SHE</li> <li>Evaluate accomplishments annually</li> </ul>	See 1.1-02  Same as 1.7-01	New PEP Adhoc team
2. Employee Involvement 2.1 Encoun	ragement 60	<ul> <li>2.1-01 Change the Management culture to "require" worker-level input into ongoing discussions.</li> <li>2.1-02 Make time available for employee involvement.</li> <li>Be creative in ways to involve employees</li> </ul>	Same as 1.5-01 Same as above	Central SHE
2.2 Inv	volvement 46	<ul> <li>2.2-01 Encourage employees to get involved in the SHE program. Provide at least three significant ways for workers to get involved in SHE program (i.e. taking ownership of VPP elements) Star suggest we focus on:         <ol> <li>Continue the MSAT Committee focus on awareness and communications.</li> <li>Job hazard Analysis and subsequent communication and training.</li> <li>Verification of corrective actions (mishaps, inspections, action plans, safety work orders, industrial hygiene issues ect.)</li> <li>Other involvement opportunities</li> </ol> </li> </ul>	Central SHE organize new SHE Committee and encourage through Directorates	Central SHE

	2.3 Safety Committee	36	can be considered.  • At least 3 of these elements  1. JHAs  2. Tracking & verification of corrective actions  3. Tracking & verification of training  4. Tracking & verification of inspections  • Convert SSWP to team ownership/use  • 2.3-01 Redefine the VPP (SHE) committee to have at least equal worker representation. Define the committee role and make each member a champion of a specific VPP element or action plan, subcommittee or activity. Have each Champion form a subcommittee or adhoc to facilitate the VPP process. Require each member to actively report on the progress of an action plan.  • Create new or redefine SHE  • Shrink to under 20  • %0% workers  • Develop plans for each  • Develop objectives  • Analyze safety trends  • Implement global solutions  • Each member a champion  • Develop subcommittee report relationships	Form New SHE Committee	Central SHE
3.0 Worksite Analysis		53			
	3.1 Pre-Use Analysis	38	<ul> <li>3.1-01 See 3.3 Hazard Analysis</li> <li>Insist on prevention</li> <li>Emphasize hazard analysis</li> <li>Implement formal documentation</li> <li>Establish review boards for high hazards</li> </ul>	Establish new JHA Team	New JHA Committ ee
	3.2 Hazard Baseline and ID	74	3.2-01Require LOTO audits to document the procedures and authorized personnel being audited. Develop some metrics to assure all procedures and authorized personnel are audited and that the audit findings are included as part of the retraining curriculum.      LOTO audits of documentation & procedures  3.2-02 The Environmental Health (EH) program should develop a qualitative,	Establish A new LOTO Committee	NEW SHE Committ ee

		pro-active process, which identifies hazardous exposures and operations. Sampling plans should be developed as a result of this analysis. This information should be shared with the Medical Center to better identify medical surveillance needs (See 4.4 Occupational Health care).  O O Industrial Hygiene O Qualitative Analysis O Risk definitions ID and inventory hazardous	Environmental Health office should lead this	AD
				Director ates
3.3 Hazard Analysis	40	<ul> <li>Continue to encourage the implementation of the JHA process.         <ul> <li>JHA's</li> <li>Develop active language</li> <li>Implement JHA results into formal task specific training</li> <li>Observe operation to procedures</li> <li>Count trend &amp; reward procedure implementation (eventually)</li> </ul> </li> <li>3.3-02 Require an Environmental Health set of Facility Risk Indicators (FRIs). Develop and incorporate as part of the Risk Assessment Process.         <ul> <li>QC risk assignments</li> </ul> </li> <li>3.3-03 See Recommendation 4.1-01.</li> </ul>		Central SHE
3.4 Inspections	63	<ul> <li>3.4-01 Provide hazard recognition training for personnel responsible for conducting inspections.</li> <li>3.4-02 Develop area-specific inspection forms to reflect hazards associated with each Directorate and contractor activity.         <ul> <li>Improve checklist appropriate to area/operation being inspected</li> </ul> </li> <li>3.4-03 With each Directorate, monitor</li> </ul>	QS help CaRE develop  Directorates should work with AD & QS	CD Director ates

		the progress on corrective actions.		
		Provide those individuals with technical resources needed to address corrective actions. Take action on overdue items.	Form Directorate employee teams to do this	Director ates
3.5 Employee Concerns	62	• 3.5-01 Develop a worker team of S&MA, CO (EH), Directorate and contractor personnel to improve the SCRS system. Address the needs of the contractors to better select and sort on their issues, so they can be better tracked, closed and verified.  • Record and track suggestions	Team being formed now.	QS
3.6 Accident Investigations	63	3.6-01 Develop a consistent root cause set of definitions, geared at going past unsafe acts and conditions (indirect causes) and identify the system failure that allowed the unsafe act or condition to exist (Direct cause).	Re-look at how cause analysis is done	QS
		<ul> <li>3.6-02 Train investigators in root cause identification.</li> <li>S&amp;MA quality control the process.</li> </ul>		Director ates
		<ul> <li>3.6-03 Encourage more close-call reporting by measuring</li> <li>Publishing the frequency of incidents by Directorate.</li> </ul>	Assign this task to new directorate teams	Director ates QS
3.7 Trend Analysis	31	<ul> <li>3.7-01 Consideration should be given to trending injury and near miss (Close call) data for employee length of service, repeat injuries, injuries by occupation, etc. Safety and Housekeeping inspection findings, safety related maintenance issues, employee concerns, and other issues similarly could be trended.         <ul> <li>Record and take actions on trends</li> <li>Inspection findings</li> <li>Hazard reports</li> <li>Maintenance &amp; PM</li> <li>Incident investigation casual factors</li> </ul> </li> </ul>		QS

4.0 Hazard Prevention Elements		80.4	• 3.7-02 Develop corrective action plans for apparent trends (e.g. the predominance of hand-related injuries and cuts and lacerations). Track and verify closure of these action plans.	Tied to 3.7-01	Central SHE
Elements	4.1 Hazard Controls	51	<ul> <li>4.1-01 Better define and train personnel to incorporate JHA identified controls into existing work procedures.</li> <li>4.1-02 Update PPE hazard assessments in each Directorate and for each contractor.</li> </ul>	Assign to new JHA Committee	New JHA committ ee  Director ates
			<ul> <li>4.1-03 Enhance ergonomic assessments and improvement for the non-office activities.</li> <li>Safety in design and installation</li> <li>Formally Define procedures with clear active language</li> <li>Add industrial hygiene</li> <li>PPE for non-routine operations</li> <li>Add safety signoff</li> </ul>		New ergonom ic Adhoc committ ee
	4.2 Tracking	<mark>79</mark>	• 4.2-01 See Recommendation 3.5-01.		
	4.3 Maintenance	89	<ul> <li>4.3-01 Provide periodic report to SHE         Committee on the status and closure         rates of Safety Maintenance Work         Orders.</li></ul>	QS work with new SHE Committee	New SHE Committ ee
	4.4 Medical Program	83	<ul> <li>4.4-01 Determine why medical monitoring database printouts are not capturing all applicable employees.         Develop a check and balance process with respective Directorate and contractor human resources personnel so records are accurate and the right people receive surveillance.</li> <li>4.4-02 Ensure all reported recordable injuries are captured on the OSHA 300</li> </ul>		AD  QS / Contractor s
			<ul> <li>4.4-03 Add "Use of Chemicals" as a clarification for laboratory personnel. Ensure all laboratory personnel are included in medical surveillance.</li> </ul>	Medical center needs to work with Environmental Health on this	AD/ Directorat es

			<ul> <li>4.4-04 Work with AD (environmental health) to develop a matrix, matching potential job exposures to known exposures. Integrate EH into the Questionnaire Process so that appropriate medical surveillance is performed.         <ul> <li>Verify medical surveillance by job description</li> <li>Work with CaER to ensure participation</li> <li>Add chemical exposure certification</li> <li>Document feedback to organizations</li> </ul> </li> </ul>		
	4.5 Emergency Preperation	100	• NONE		
5.0 Training		59.7 5	•		
	5.1 Worker/ Contractor/ Committees	77	<ul> <li>5.1-01 Review hazard communication training and ensure that material specific training with historical industrial hygiene data is included.</li> </ul>	S 1 ( 02	AD
			<ul> <li>5.1-02 Audit contractor certification records against CERTRAK data and update system to accurately reflect trained personnel.</li> </ul>	See 1.6-02	Directorat es
			<ul> <li>5.1-03 Develop training curriculum for committee members on their assigned roles. Implement the training.</li> <li>Committees Technical responsibility and VPP requirements training</li> <li>More focus on data analysis</li> </ul>		CD
			<ul> <li>Workers/contractors Train employees to task-specific hazards(JHA) &amp; controls</li> <li>Verify contractor training / retraining</li> </ul>		es
	5.2 Supervisors	57	<ul> <li>5.2-01 Create a formal set of courses and curriculum reflective of supervisors SHE responsibilities. Ensure attendance.</li> <li>Training on:         <ul> <li>Roles and responsibilities</li> <li>Incident investigation</li> <li>JHA process</li> <li>Overall SHE responsibilities</li> </ul> </li> </ul>		New SHE Training committee
	5.3 Managers	42	<ul> <li>5.3-01 Develop and deliver a curriculum to management consisting of:</li> <li>VPP elements</li> </ul>	CD develop with the help of other groups and	New SHE Training committee

		<ul> <li>Safety and Health Metrics</li> <li>Goals and objectives setting process.</li> <li>Learn VPP elements and leading safety metrics</li> </ul>	organizations involed	
5.4 Training Process	63	<ul> <li>5.4-01 Solicit employee feedback on training to determine relevance and appropriateness and utilize this information to improve the training materials. Demonstrate that improvements are made.</li> <li>5.4-02 Utilize missed questions on exams to improve training material.</li> <li>5.4-03 Develop and improve Directorate-specific courses that address hazards associated with their area (Chemical Hygiene and Laser Safety in SD etc).</li> <li>Update changes based on feedback</li> </ul>	All training courses	New SHE Training committee

#### **LAST UPDATE: 01-23-02**

### VPP STEERING COUNCIL OPEN ACTIONS LOG

VPP-0012 07-12-01	(O)	Review the different, possible scenarios for performing a mentor assessment at MSFC and make a recommendation as to the time and cost required to do the mentor assessment.  (J. Carter/AD01, J. Ellis/QS01, Due: TBD)
VPP-0017 01-23-02	(O)	Prepare a draft of a charter for a new management committee similar to the Centeral SHE committee. Include in the draft a timeline for organizing and establishing the committee.  (K. Cornett/FD24, P. Robbins/CSC; Due: 02-13-02)
VPP-0018 01-23-02	(O)	Review the STAR Consultants, Inc. final report and the draft of the STAR VPP Assessment Response and provide comments (via e-mail) to Phil Robbins. (VPP Steering Council Members, Due: COB 01-25-02)